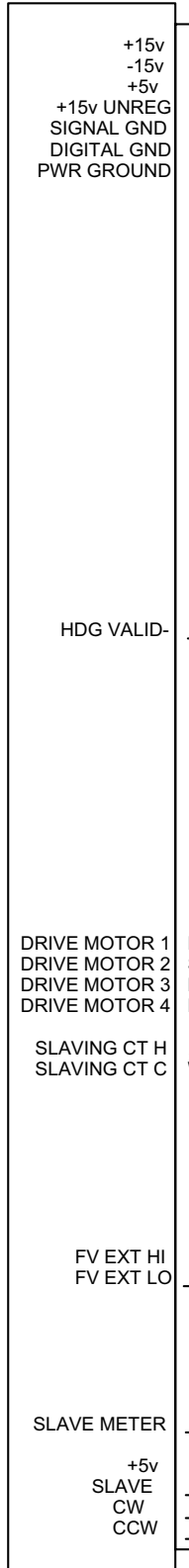
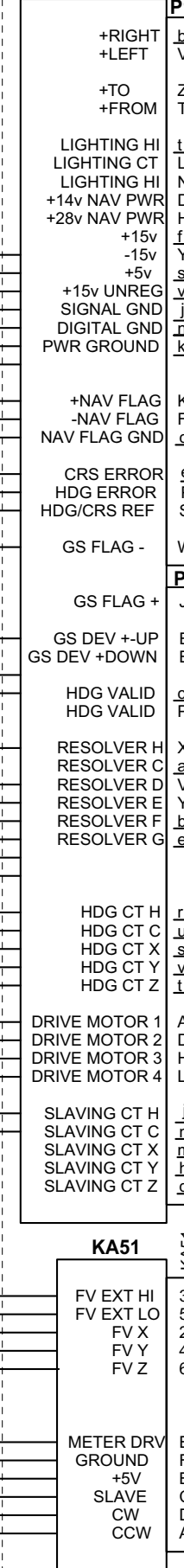


DOTTED AREA REPRESENTS THE SN3308 INTERCONNECT. THE BALANCE OF THE DATA IS SHOWN FOR REFERENCE

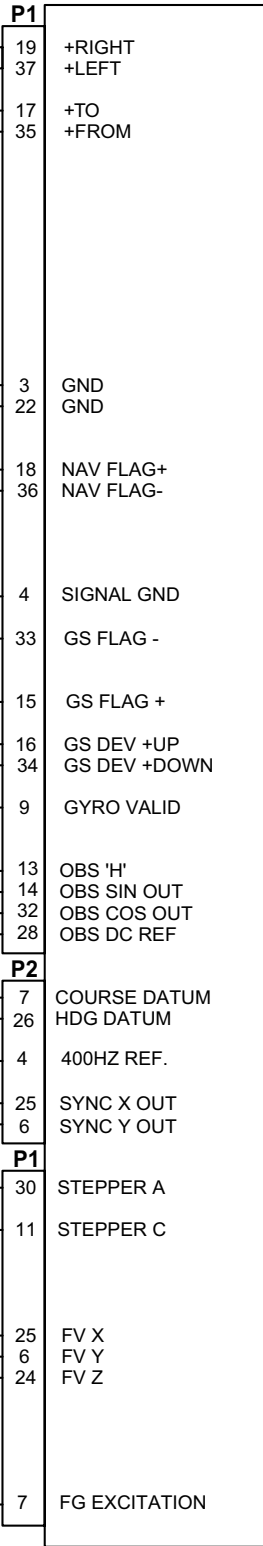
KG102 DIRECTIONAL GYRO



KI-525 INDICATOR



SN3308



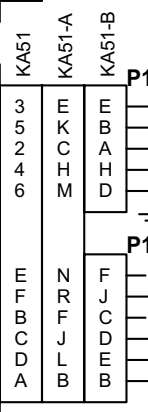
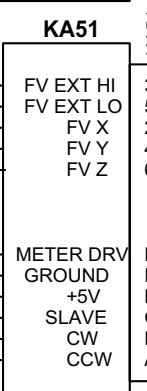
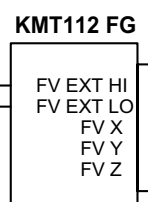
FROM VHF NAV

NOTE 2 TO FCS (DC)
DC COURSE
DC HEADING
CRS/HDG REF (GND)

FROM VHF NAV

FROM VHF NAV 30HZ ONLY

FROM INVERTER
26VAC
ACFT GND
BOOTSTRAP
OUTPUT TO SYNCHRO
X
Y
Z



NOTE 5

SEE NOTE 6

SEE NOTE 3

400HZ SEE NOTE 1

SEE NOTE 4

NOTES:

- 1: THE SYSTEM 400HZ INVERTER WILL NORMALLY BE CONNECTED TO THE HEADING SYNCHRO 'H' TERMINAL. THIS WIRE CAN BE USED TO DRIVE THE SN3308 REFERENCE INPUT. IN AN UNUSUAL CASE THE SYNCHRO MIGHT HAVE BEEN WIRED IN UPSIDE DOWN AND THE 400HZ REFERENCE MAY BE ON THE 'C' TERMINAL.
- 2: IF AN EXISTING CONVERTER IS INSTALLED SUCH AS A KA 52 OR KA 57, LEAVE UNIT INSTALLED AND SELECT KI525 ON FCS EMULATION PAGE.
3. SHOWN IS THE 30HZ RESOLVER INTERCONNECT. CHECK APPROPRIATE NAV RECEIVER SCHEMATICS BEFORE APPLYING POWER. TYING PINS E/G TOGETHER AS SHOWN ASSUMES THEM TO BE THE NAV RECEIVER VREF. THESE ARE NORMALLY TIED TOGETHER INSIDE THE NAV RECEIVER AND GO TO SIGNAL GROUND OR AN INTERNAL DC REFERENCE VOLTAGE. IF THESE DO NOT TIE INTERNALLY PLEASE CALL SANDEL FOR ASSISTANCE.
4. WHEN CONVERTING KCS-55 SYSTEM INSTALLATIONS THE KA-51 SLAVING ACCESSORY IS NOT USED. THE FLUXGATE EXCITATION SIGNAL CAN BE PICKED UP FROM THE EXISTING KA-51 CONNECTORS AS SHOWN.
5. PRIOR TO INSTALLING THE SN3308, ENSURE THAT THIS WIRE IS COMING FROM THE FLIGHT CONTROL SYSTEM GROUND AND THAT NO VOLTAGE IS PRESENT ON THIS PIN WITH POWER APPLIED TO ALL AVIONICS. IF VOLTAGE IS PRESENT, CONNECT SN3308 P1-4 TO FCS GROUND AT THE ROLL COMPUTER WITH A NEW WIRE. IF PRIMARY POWER IS APPLIED TO SN3308 P1-4 DAMAGE MAY OCCUR TO THE SN3308 RESULTING IN AN OPEN CIRCUIT AT P1-4. THIS CAN BE CHECKED WITH AN OHM METER.
6. RESISTOR MAY BE REQUIRED. SEE RESOLVER INTERCONNECT SHEET TO DETERMINE PROPER CONNECTION.

DATE	REV	COMMENTS
6/9/98	A	FIRST RELEASE
7/10/98	B	PAGE NUMBER CHANGED.
9/10/98	C	PAGE COUNT.
9/10/98	D	NO CHANGE.
9/23/98	E	KI525-S AND NOTE 7. SHIELDS ADDED 400HZ.
5/26/99	F	TOTAL SHEETS CHANGED TO 21 MOVED RESOLVER INTERCONNECT AND NOTES 4 AND 5 TO PAGE 4. KG102 FG H/C CORRECTED. KA51-A CHANGED 'E' TO 'L'
10/23/00	G	ADDED PINS P2-25 AND 6 ADDED NOTE 6. TOTAL SHEETS CHANGED TO 29.
04/03/01	G1	A/R 360 PAGE COUNT
10/04/02	G2	A/R 573 PAGE COUNT

COMPUTER CONTROLLED DRAWING
DO NOT REVISE MANUALLY

SANDEL Vista, Ca.

Category: SN3308 INSTALLATION DRAWING

Title: GYROS: KCS-55 UPGRADE

Size: B Document Number: **90106-10** Rev: **G2**

Create: Saturday, May 02, 1998 Mod: Thursday, September 25, 2003 Sheet 14